

UNITED STATES GOVERNMENT

Memorandum

25X1A5a1

TO : The Files: [REDACTED]

DATE: 28 February 1963

FROM : [REDACTED]

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SUBJECT: Trip Report - Demodulator Test Program with [REDACTED]

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1. Project Description:

This project will compare the field performance of the seven-bit Barker code system (CV-17), a conventional FSK Demodulator (Northern 174) and a linear demodulator incorporating the Page Decision Threshold Computer.

2. Contractual Information:

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- a. Initial Cost: [REDACTED]
- b. Initiation Date: 1 July 1962
- c. Completion Date: December 1962 Extension: 1) 1 March 1963
- d. Deliverable Items: A Comprehensive 2) 1 April 1963
Engineering/Field Test Report

3. Date of Meeting: 28 February 1963

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4. Place of Meeting: [REDACTED]

5. Persons Attending:

Agency

Non-Agency

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[REDACTED]

[REDACTED]

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6. Contractor's Performance:

- a. On Schedule and Expected to Remain So: Yes
- b. Within Obligated Funds and Expected to Remain So: Yes
- c. Satisfactory Technical Progress: Yes

7. Project Status:

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A visit was made to the contractor's facility at [REDACTED] Virginia to witness on-the-air testing of the three demodulators. The equipment set-up and test plan were being followed as described

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in the previous trip report dated 21 January. At the time of the visit, the contractor had been running the tests for four days. Test results indicate that the demodulators "stack-up"

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[REDACTED]

Subsequent to a telecon with [REDACTED] on 4 March 1963, the formal on-the-air testing was scheduled to continue until 22 March. However, the project engineer recommended during the telecon that the testing be terminated within the next several days. The data that was being obtained was becoming increasingly repetitive and no great service would be performed by continuing to take additional data of this type. It was felt that the effectiveness of each demod had clearly been demonstrated at this point. On 5 March [REDACTED] was informed to stop the tests and begin preparation of a comprehensive engineering report describing the tests and performance of each demod.

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